***Optional Activity 2-Research***

*Research how gold is formed underground. How long does it take to happen? How does it happen? Present your findings as a report.*

*Gold nuggets are formed underground at high temperatures. Gold nuggets are not formed where miners find them; they are formed from a source nearby to where they’re formed. Researchers are still unsure about the true method of how gold nuggets are formed, but they have done many tests on gold nuggets that weigh from 1g to 8kg. One method of forming gold is this: Gold forms in the underground vents of volcanoes. The super hot gases from beneath the earth flow through natural pipes carrying elements with them. These elements condense on the walls usually in conjunction with a substance called quartz & are left there until the volcanoes are eroded over millions of years or dug up by miners hungry for gold. South Africa & the Yukon are both famous for this method of gold being formed.*